

CITY OF MOUNTAIN VIEW

INTER-OFFICE MEMORANDUM

DATE: March 25, 1960

TO: A. M. McKinnon, Director of Public Works
FROM: H. P. Anderson, Supt. Sewage Treatment Plant
RE: VISIT TO RHEEM SEMICONDUCTOR AND FAIRCHILD

Handwritten:
H. P. Anderson
→ file
Industrial wastes

As of last week, on March 15 and also on March 18, samples were obtained, by Gene Downs' crew, of the discharge of the above plants into our sewer system. Both of these plants are discharging rather a strong acid waste. For this reason, I called on both of them yesterday, contacting Mr. Blank and Mr. Watson.

Mr. Blank stated that they were putting in equipment for neutralizing the acid wastes. This consists of caustic soda, solution tanks with pumps and "Durliron" equipment for adding caustic and conducting the mixtures to a central collecting basin. The caustic soda will be operated by Beckman Equipment and should be quite satisfactory. The installation is in; however, Mr. Blank stated that it will probably be two weeks before the control equipment is all installed and operating.

Mr. Watson of the Rheem Corporation has hired the Hall Laboratories as consultants for installing equipment in their new plant. The plant on Moffett Blvd. had neutralizing equipment but they had trouble and for the last few days have been dumping in the wastes. They are repairing this as soon as they conveniently can.

Both plants have considerable trichloroethylene waste, which they want to get rid of. This material is slightly toxic, is heavy and is not soluble in water. I explained to both that we could not handle it in our sewage system. They are endeavoring to separate it out by settling tanks, drawing it off, and having a private contractor haul it away and recover the pure material.

Both companies appeared very helpful, aware of the difficulties the City may have in treating their wastes, and are endeavoring to treat it satisfactorily before dumping it into the sewers.

Handwritten signature: H. P. Anderson
H. P. ANDERSON

HPA:po

cc: City Manager
F/y

TRIAL EXH NO. 004
S.F.SUP.CT.#950755

EXHIBIT 5 PLTF. DEFT.
WITNESS F. Watkins
CONSISTING OF 1 PAGES
DATE 3-7-60
BEHMKKE REPORTING & VIDEO SERVICES

HRB_000028

CITY OF MOUNTAIN VIEW

INTER-OFFICE MEMORANDUM

DATE: May 4, 1960

TO: A. M. McKinnon, Director of Public Works
FROM: H. P. Anderson, Sewage Treatment Plant Superintendent
RE: REPORT ON SEWAGE TREATMENT PLANT FOR MONTH OF APRIL 1960

GENERAL PLANT OPERATION:

Since I was on vacation part of this month, the average reduction is calculated from a smaller number of determinations; thus, not quite as reliable as usual.

The digester is still not operating as well as I would like to have it. It was coming along nicely on the way to recovery; then the volatile acid rose sharply. This corresponded rather roughly with a slug of trichloroethylene in the raw sewage. Evidence points more and more that this is probably the trouble with our digester. The trichloroethylene is a rather strong antiseptic which is killing off the anaerobic microorganisms in the digester. This material comes from the new plants in the area, particularly Rheem and Fairchild. They are cooperating in trying to eliminate the trouble, but they have started using their plants before their equipment for separating their material, as well as the equipment for neutralizing the acids which is dumped into the sewer, has been completed. We will be grateful when the City ordinance regulating material dumped into sewers is in effect. We are still adding lime to the digester.

We had 2 power failures during the month. Our alarm system has already proven of value in that we have received 2 calls during the night so we could go down and correct difficulties.

UNUSUAL ACTIVITIES:

I attended one day at the C.S.I.W.A. Conference at Berkeley. The papers presented were below standard but the meeting was otherwise enjoyable.

Noah Harden has been back to work for about 4 weeks. Although he is reasonably well recovered, it is not considered safe for him to be working at the plant by himself. Steps have been taken to replace him and to give him a safer job.

PLANT DATA:

Total Flow Raw Sewage	58.18 mil. gal.
Average Flow Per Day	1.93 mil. gal.
Peak Flow	4.5 mil. gal.
Av. Suspended Solids in Final Effluent	112 ppm
Av. BOD in Final Effluent	190 ppm
Reduction in Suspended Solids	66.2 %
Reduction in BOD	45.7 %

TRIAL EXH NO. 005
S.F.SUP.CT.#950755


H. P. ANDERSON

HPA:po

MTVW 01260

HRB_000030

CITY OF MOUNTAIN VIEW

INTER-OFFICE MEMORANDUM

Date: March 7, 1961

TO: A. M. McKinnon, Director of Public Works
FROM: H. P. Anderson, Sewage Treatment Plant Superintendent
RE: REPORT ON SEWAGE TREATMENT PLANT FOR MONTH OF FEBRUARY 1961

- 7 - - - - -

GENERAL PLANT OPERATION:

This has been a comparatively trouble-free month; have not even had a power failure.

The flow was the highest it has ever been.

We made a large sludge draw-off from the digester; about half of it was a heavy gritty material, which we are glad to get rid of, but there is still a great deal in the digester. We now expect to go to early summer before again having to draw any sludge. By that time we hope our beds will be comparatively dry.

We are still having some trouble with trichlorethylene in the incoming lines, coming from the electronic plants. This material interferes seriously with the proper function of the digester.

PLANT DATA:

Total Flow Raw Sewage	67.54 mil. gal.
Average Flow Per Day	2.41 mil. gal.
Peak Flow	4.1 mil. gal.
Av. Suspended Solids in Final Effluent	56 ppm
Av. BOD in Final Effluent	162 ppm
Reduction in Suspended Solids	67.6 %
Reduction in BOD	72.7 %

HPA:po



H. P. ANDERSON

MTVW 01261

CITY OF MOUNTAIN VIEW

INTER-OFFICE MEMORANDUM

Date: May 2, 1961

TO: A.M. McKINNON, Director of Public Works
FROM: H.P. ANDERSON, Sewage Treatment Plant Superintendent
RE: REPORT ON SEWAGE TREATMENT PLANT FOR MONTH OF APRIL 1961

GENERAL PLANT OPERATION:

We made one sludge drawoff during the month. The circulating sludge in the digester is now of a reasonably thin consistency.

Less trouble was experienced with TCE than for some time. It seems that our electronic firms are getting their waste under control.

Much grit has been noticed in our raw sewage which has gone into the digester. We do not need it there. It has already interfered with circulation.

Lime was used to improve digester operation during part of the month.

UNUSUAL OPERATIONS:

The S & Q Contractor has moved in his equipment and is getting started with the excavation.

Our No. 2 booster pump has given some trouble. There is a split in the wearing sleeve and it looks like a job for a machine shop.

PLANT DATA:

Total Flow Raw Sewage	72.02 mil. gal.
Average Flow Per Day	2.39 mil. gal.
Peak Flow	4.0 mil. gal.
Av. Suspended Solids in Final Effluent	142 ppm
Av. BOD in Final Effluent	240 ppm
Reduction in Suspended Solids	27.7 %
Reduction in BOD	49.5 %

The above plant data was obtained from two analysis only, so it is somewhat irregular.


H.P. ANDERSON

HPA:fb

MTVW 01262